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**DECLARATION FOR UTILITY OR
DESIGN
PATENT APPLICATION
(37 CFR 1.63)**



Declaration
Submitted
with Initial
Filing

OR



Declaration
Submitted after Initial
Filing (surcharge
(37 CFR 1.16 (e))
required)

Attorney Docket Number

2000-IP-002275

First Named Inventor

Jan Pieter Vijn

COMPLETE IF KNOWN

Application Number

Filing Date

Art Unit

Examiner Name

As the below named inventor, I hereby declare that:

My residence, mailing address, and citizenship are as stated below next to my name.

I believe I am the original and first inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Cementing Subterranean Zones Using Cement Compositions Containing Biodegradable Dispersants

(Title of the Invention)

the specification of which



is attached hereto

OR



was filed on (MM/DD/YYYY)

as United States Application Number or PCT International

Application Number

and was amended on (MM/DD/YYYY)

(if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

[Page 1 of 2]

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

DECLARATION — Utility or Design Patent Application

Direct all correspondence to: ☒ Customer Number or Bar Code Label ☐ OR ☐ Correspondence address below

Name

Address

City

State

ZIP

Country

Telephone

Fax

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

NAME OF SOLE OR FIRST INVENTOR : ☐ A petition has been filed for this unsigned inventor

Given Name Jan Pieter
(first and middle [if any])

Family Name Vijn
or Surname

Inventor's
Signature

Date

Leiderdorp
Residence: City

State

Netherlands
Country

Dutch
Citizenship

Mailing Address Vorstenhof 2, 2353W

Leiderdorp
City

State

123694
ZIP

Netherlands
Country

NAME OF SECOND INVENTOR: ☐ A petition has been filed for this unsigned inventor

Given Name Dr. Christian E.
(first and middle [if any])

Family Name Spindler
or Surname

Inventor's
Signature

Date

Tacherting
Residence: City

State

Germany
Country

German
Citizenship

Mailing Address Marienplatz 25

Wasserburg am Inn
City

State

83512
ZIP

Germany
Country

☐ Additional inventors are being named on the _____ supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.

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DECLARATION**ADDITIONAL INVENTOR(S)**

Supplemental Sheet

Page 1 of 1

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name Dr. Gregor		Family Name or Surname Keilhofer	
Inventor's Signature		Date	
Residence: City Tacherting	State	Country Germany	Citizenship German
Mailing Address Am Anger 19a			
Mailing Address			
City Tacherting	State	ZIP 83342	Country Germany
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name Prof. Dr. Johaan		Family Name or Surname Plank	
Inventor's Signature		Date	
Residence: City Trostberg	State	Country Germany	Citizenship German
Mailing Address Grafin-Adelheid-Str. 9			
Mailing Address			
City Trostberg	State	ZIP 83308	Country Germany
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name		Family Name or Surname	
Inventor's Signature		Date	
Residence: City	State	Country	Citizenship
Mailing Address			
Mailing Address			
City	State	ZIP	Country

Burden Hour Statement: This form is estimated to take 21 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

**DECLARATION FOR UTILITY OR
DESIGN
PATENT APPLICATION
(37 CFR 1.63)**

☒ Declaration Submitted with Initial Filing
OR
☐ Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16 (e)) required)

Attorney Docket Number 2000-IP-002275
First Named Inventor Jan Pieter Vijn
COMPLETE IF KNOWN
Application Number
Filing Date
Art Unit
Examiner Name

As the below named inventor, I hereby declare that:
My residence, mailing address, and citizenship are as stated below next to my name.

I believe I am the original and first inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Cementing Subterranean Zones Using Cement Compositions Containing Biodegradable Dispersants

(Title of the Invention)

the specification of which

☒ is attached hereto

OR

☐ was filed on (MM/DD/YYYY)

as United States Application Number or PCT International

(if applicable).

Application Number and was amended on (MM/DD/YYYY)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

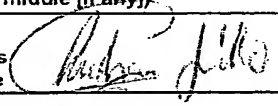
☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

[Page 1 of 2]

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DECLARATION — Utility or Design Patent Application

Direct all correspondence to: <input checked="" type="checkbox"/>		Customer Number or Bar Code Label		OR <input type="checkbox"/> Correspondence address below	
Name					
Address					
City		State		ZIP	
Country		Telephone		Fax	
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.					
NAME OF SOLE OR FIRST INVENTOR :				<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name Jan Pieter (first and middle [if any])			Family Name Vijn or Surname		
Inventor's Signature				Date	
Leiderdorp Residence: City		State		Netherlands Country Dutch Citizenship	
Mailing Address Vorstenhof 2, 2353W					
Leiderdorp City		State		123694 ZIP Netherlands Country	
NAME OF SECOND INVENTOR:				<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name Dr. Christian E. (first and middle [if any])			Family Name Spindler or Surname		
Inventor's Signature 				Date 2/14/02	
Wasserburg am Inn Residence: City		State		Germany Country German Citizenship	
Mailing Address Marienplatz 25					
Wasserburg am Inn City		State		83512 ZIP Germany Country	
<input type="checkbox"/> Additional inventors are being named on the _____ supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.					

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DECLARATION**ADDITIONAL INVENTOR(S)**
Supplemental Sheet
Page 1 of 1

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name Dr. Gregor		Family Name or Surname Keilhofer	
Inventor's Signature <i>Gregor Keilhofer</i>		Date 2/14/02	
Tacherting Residence: City	State	Germany Country	German Citizenship
Am Anger 19a Mailing Address			
Mailing Address			
Tacherting City	State	83342 ZIP	Germany Country
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name Prof. Dr. Johann		Family Name or Surname Plank	
Inventor's Signature <i>Johann Plank</i>		Date 2/15/02	
Trostberg Residence: City	State	Germany Country	German Citizenship
Grafin-Adelheid-Str. 9 Mailing Address			
Mailing Address			
Trostberg City	State	83308 ZIP	Germany Country
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name		Family Name or Surname	
Inventor's Signature		Date	
Residence: City	State	Country	Citizenship
Mailing Address			
Mailing Address			
City	State	ZIP	Country

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Please type a plus sign (+) inside this box → +

PTO/SB/81 (02-01)

Approved for use through 10/31/2002 OMB 0651-0035

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

POWER OF ATTORNEY OR AUTHORIZATION OF AGENT

Application Number	10/170,399
Filing Date	06/13/2002
First Named Inventor	Jan Pieter Vijn
Title	Cement Subterranean ...
Group Art Unit	3672
Examiner Name	unknown
Attorney Docket Number	HES 2000-IP-002275U1

I hereby appoint:

☐ Practitioners at Customer Number →

Place Customer
Number Bar Code
Label here

OR

☒ Practitioner(s) named below:

Name	Registration Number
see attached	

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please change the correspondence address for the above-identified application to:

☐ The above-mentioned Customer Number.

OR

☐ Practitioners at Customer Number →

Place Customer
Number Bar Code
Label here

OR

☐ Firm or
Individual Name

Address

Address

City

State

Zip

Country

Telephone

Fax

I am the:

☐ Applicant/Inventor.

☒ Assignee of record of the entire interest. See 37 CFR 3.71.
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

SIGNATURE of Applicant or Assignee of Record

Name

Craig W. Roddy

Signature

Craig W. Roddy

Date

4/8-03

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.

☐ *Total of _____ forms are submitted.

Burden Hour Statement: This form is estimated to take 3 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box → ☐

PTO/SB/02C (3-87)

Approved for use through 03/01/98. CMB 0851-0032

Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1980, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

DECLARATION	REGISTERED PRACTITIONER INFORMATION (Supplemental Sheet)
--------------------	---

Name	Registration Number	Name	Registration Number
Halliburton Energy Services, Inc. Practioners		McAfee & Taft Practioners	
William E. Shull	29,438	C. Clark Dougherty, Jr.	24,208
Michael D. McCully	29,566	Clifford C. Dougherty, III	31,607
Mark A. Smith	30,220	E. Harrison Gilbert, III	29,156
William M. Imwalle	35,904	Neal R. Kennedy	31,383
Paul I. Herman	37,349	Michael J. LaBrie	39,507
Robert A. Kent	28,626	Anthony L. Rahhal	37,562
Craig W. Roddy	36,256	Jean L. Pinkston	45,014
John W. Wustenberg	35,415		

Burden Hour Statement: This form is estimated to take 0.4 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.**

Declaration — Registered Practitioner Information (Supplemental Sheet) (PTO/SB/02C)(1-1.4)

Please type a plus sign (+) inside this box → +

PTO/SB/81 (02-01)

Approved for use through 10/31/2002. OMB 0651-0035

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

POWER OF ATTORNEY OR AUTHORIZATION OF AGENT

Application Number	10/170,399
Filing Date	06/13/2002
First Named Inventor	Jan Pieter Vijn
Title	Cement Subterranean ...
Group Art Unit	3672
Examiner Name	unknown
Attorney Docket Number	HES 2000-IP-002275U1

I hereby appoint:

☐ Practitioners at Customer Number →

Place Customer
Number Bar Code
Label here

OR

☒ Practitioner(s) named below:

Name	Registration Number
see attached	

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please change the correspondence address for the above-identified application to:

☐ The above-mentioned Customer Number.

OR

☐ Practitioners at Customer Number →

Place Customer
Number Bar Code
Label here

OR

☐ Firm or
Individual Name

Address

Address

City

State

Zip

Country

Telephone

Fax

I am the:

☐ Applicant/Inventor.

☒ Assignee of record of the entire interest. See 37 CFR 3.71.
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

SIGNATURE of Applicant or Assignee of Record

Name	Craig W. Roddy
Signature	<i>Craig W. Roddy</i>
Date	4-18-03

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.

☐ *Total of _____ forms are submitted.

Burden Hour Statement: This form is estimated to take 3 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box → ☐

PTO/SB/02C (3-87)
Approved for use through 8/30/98. OMB 0851-0032

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

DECLARATION		REGISTERED PRACTITIONER INFORMATION (Supplemental Sheet)	
Name	Registration Number	Name	Registration Number
Halliburton Energy Services, Inc. Practioners		McAfee & Taft Practioners	
William E. Shull	29,438	C. Clark Dougherty, Jr.	24,208
Michael D. McCully	29,566	Clifford C. Dougherty, III	31,607
Mark A. Smith	30,220	E. Harrison Gilbert, III	29,156
William M. Imwalle	35,904	Neal R. Kennedy	31,383
Paul I. Herman	37,349	Michael J. LaBrie	39,507
Robert A. Kent	28,626	Anthony L. Rahhal	37,562
Craig W. Roddy	36,256	Jean L. Pinkston	45,014
John W. Wustenberg	35,415	10170399	

Estimated Hour Statement: This form is estimated to take 6.4 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Declaration — Registered Practitioner Information (Supplemental Sheet) (PTO/SB/02C)(1-1.4)



UNITED STATES
PATENT AND
TRADEMARK OFFICE

SEPTEMBER 23, 2003

PTAS

HALLIBURTON ENERGY SERVICES
CRAIG W. RODDY
2600 SOUTH SECOND STREET
DUNCAN, OK 73536-0440

RECEIVED

Under Secretary of Commerce For Intellectual Property and
Director of the United States Patent and Trademark Office
Washington, DC 20231
www.uspto.gov

CRAIG W. RODDY



102432121A

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 04/24/2003

REEL/FRAME: 013989/0090
NUMBER OF PAGES: 5

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

VIJN, JAN PIETER

DOC DATE: 02/19/2002

ASSIGNEE:

HILLBUTON ENERGY SERVICES, INC.
10200 BELLAIRE BOULEVARD
HOUSTON, TEXAS 77072

SERIAL NUMBER: 10170399
PATENT NUMBER:

FILING DATE: 06/13/2002
ISSUE DATE:

JOANN STEWART, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

ASSIGNMENT

Whereas, I, Jan Pieter Vijn, of Leiderdorp, The Netherlands, have invented CEMENTING SUBTERRANEAN ZONES USING CEMENT COMPOSITIONS CONTAINING BIODEGRADABLE DISPERSANTS for which I have made application for Letters Patent of the United States; and

Whereas, HALLIBURTON ENERGY SERVICES, INC., a Delaware Corporation, having a place of business at 10200 Bellaire Boulevard, Houston, Texas 77072 is desirous of acquiring an interest therein;

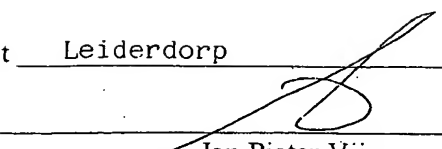
NOW, THEREFORE, in consideration of the sum of ten dollars (\$10.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/We, by these presents do sell, assign and transfer and convey unto HALLIBURTON ENERGY SERVICES, INC., its successors and assigns, the full and exclusive right, for the United States of America and its territorial possessions and for any and all foreign countries, in and to the said invention, described in the Patent Application first executed on _____,

submitted concurrently herewith, and any divisional, continuing or reissue application based on the present application preparatory to obtaining Letters Patent of the United States therefor; said invention, application and any and all Letters Patent issuing therefor to be held and enjoyed by HALLIBURTON ENERGY SERVICES, INC., for its own use and behoof, and for its legal representatives, successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me and had this assignment and sale not been made.

And I do further agree to sign all papers, make all rightful oaths and do all requisite acts for the filing of any disclaimer or for the filing and assignment of any divisional, continuing or reissue application or applications for patent based on the present application, as well as for any other U.S. or foreign application for patent which relates to the said invention.

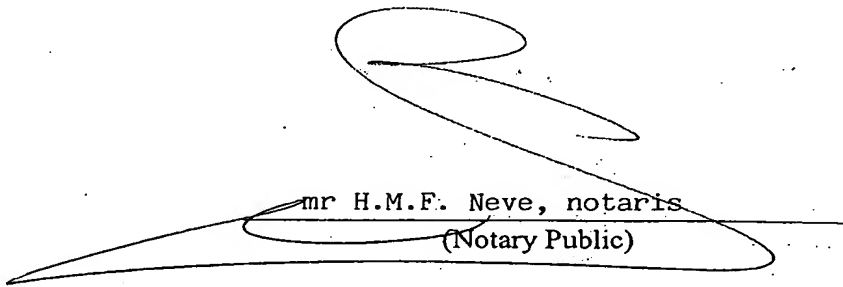
And I do further agree to communicate to HALLIBURTON ENERGY SERVICES, INC., its successors, assign or other legal representatives, such facts relating to the invention disclosed in the present application or Letters Patent issuing thereon as may be known to me, and to testify as to such facts in any interference or other litigation.

Executed this 19th day of February, 2002, at Leiderdorp

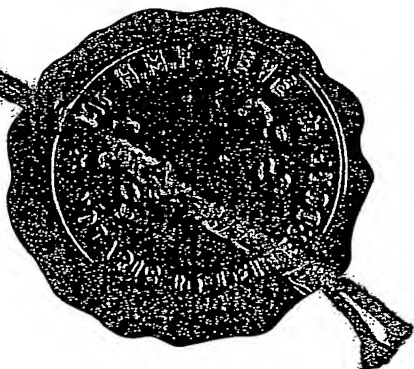

Jan Pieter Vijn

Before me personally appeared said Jan Pieter Vijn and acknowledged the foregoing instrument to be his free act and deed this 19th day of February, 2002.




mr H.M.F. Neve, notaris
(Notary Public)

Seen for legalization of the signature of
mr Jan Pieter Vijn,
by me, mr Henri Marc Francois Neve,
notaris, practising at Leiderdorp (Netherlands).
Leiderdorp, February 19, 2002.



ASSIGNMENT

Whereas, I, Jan Pieter Vijn, of Leiderdorp, The Netherlands, have invented CEMENTING SUBTERRANEAN ZONES USING CEMENT COMPOSITIONS CONTAINING BIODEGRADABLE DISPERSANTS for which I have made application for Letters Patent of the United States; and

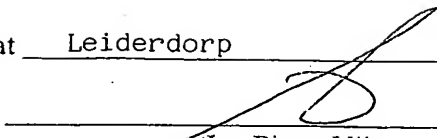
Whereas, HALLIBURTON ENERGY SERVICES, INC., a Delaware Corporation, having a place of business at 10200 Bellaire Boulevard, Houston, Texas 77072 is desirous of acquiring an interest therein;

NOW, THEREFORE, in consideration of the sum of ten dollars (\$10.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/We, by these presents do sell, assign and transfer and convey unto HALLIBURTON ENERGY SERVICES, INC., its successors and assigns, the full and exclusive right, for the United States of America and its territorial possessions and for any and all foreign countries, in and to the said invention, described in the Patent Application first executed on February 19, 2002, submitted concurrently herewith, and any divisional, continuing or reissue application based on the present application preparatory to obtaining Letters Patent of the United States therefor; said invention, application and any and all Letters Patent issuing therefor to be held and enjoyed by HALLIBURTON ENERGY SERVICES, INC., for its own use and behoof, and for its legal representatives, successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me and had this assignment and sale not been made.

And I do further agree to sign all papers, make all rightful oaths and do all requisite acts for the filing of any disclaimer or for the filing and assignment of any divisional, continuing or reissue application or applications for patent based on the present application, as well as for any other U.S. or foreign application for patent which relates to the said invention.

And I do further agree to communicate to HALLIBURTON ENERGY SERVICES, INC., its successors, assign or other legal representatives, such facts relating to the invention disclosed in the present application or Letters Patent issuing thereon as may be known to me, and to testify as to such facts in any interference or other litigation.

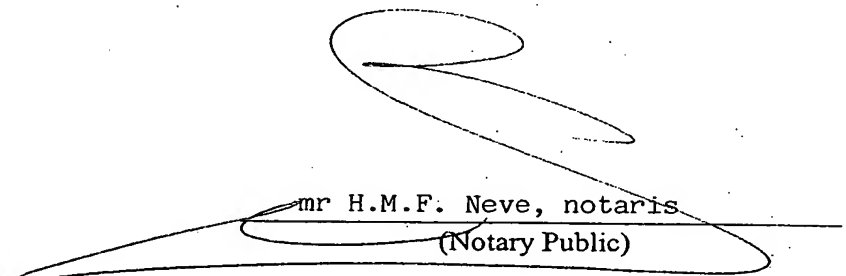
Executed this 19th day of February, 2002, at Leiderdorp



Jan Pieter Vijn

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mr H.M.F. Neve, notaris
(Notary Public)

Seen for legalization of the signature of
mr Jan Pieter Vijn,
by me, mr Henri Marc Francois Neve,
notaris, practising at Leiderdorp (Netherlands).
Leiderdorp, February 19, 2002.

